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V. *An Observation on an Occultation of Cor Leonis by the Moon, on Thursday, March 12. 1747, in Surrey-Street in the Strand, London, with a reflecting Telescope, made by Mr. Short, F. R. S. which magnified about 100 times; communicated to the Royal Society by J. Bevis, M. D.*

Read March 19.

1746-7.

Apparent Time.
 d h ' "

1747, Mar. 12	8 24 19	The Star immerg'd into the dark Limb.
	9 27 4	It emerg'd from the enlighten'd Limb a small Matter to the West of the Moon's Zenith.
	44 4 $\frac{1}{2}$	The Moon's preceding Limb pass'd the Meridian in the Transitory.
	44 21	The Star pass'd the Meridian.

Mr. *Short*, another Gentleman, and myself, agreed to a single Second in the Immersion, with different Telescopes; but I saw and pronounced the Emer-
 sion 2 or 3 Seconds before them. — There had been an exact Observation of the Sun's Transit at Noon; and the Clock gain'd about half a Second a Day.

We

We reckon *Surrey-Street* 27 Seconds in Time West of the Royal Observatory at *Greenwich*.

Mr. *John Catlin* had a few Days before deliver'd me a Computation of this Eclipse, corrected from two Places of the Moon, observ'd the 28th of *February* and the 2d of *March* 1729, corresponding pretty nearly with her present Situation; as likewise from the Star's Position, as I had rectify'd it from several late Observations; and this gave the

			h	'
Immersion at	—	—	8	26 $\frac{1}{2}$
Emerfion	—	—	9	30

J. Bevis.

VI. *An Observation of an uncommon Gleam of Light proceeding from the Sun, by Mr. Peter Collinson F. R. S.*

Read March 19. 1746-7. ON the 8th of *March* 1746-7, near

8 o' Clock in the Morning, as I was riding within three Miles of *Brentwood* in *Effex*, there appeared a singular *Phænomenon* in the Heavens; the Sketch (TAB. . Fig. .) may give some Idea of it.

The Morning was fine and clear, the Sun shone bright, no Cloud to be seen, but the Air a little hazy: Where the *Phænomenon* appeared, which was a bright cloudy Spot, seem'd a very small Portion of a Rainbow,